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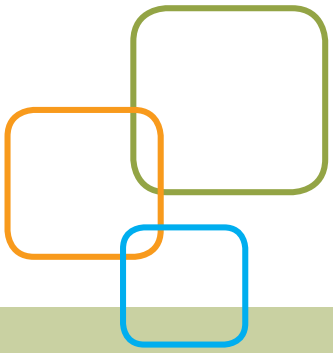

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Sample Questions for Students

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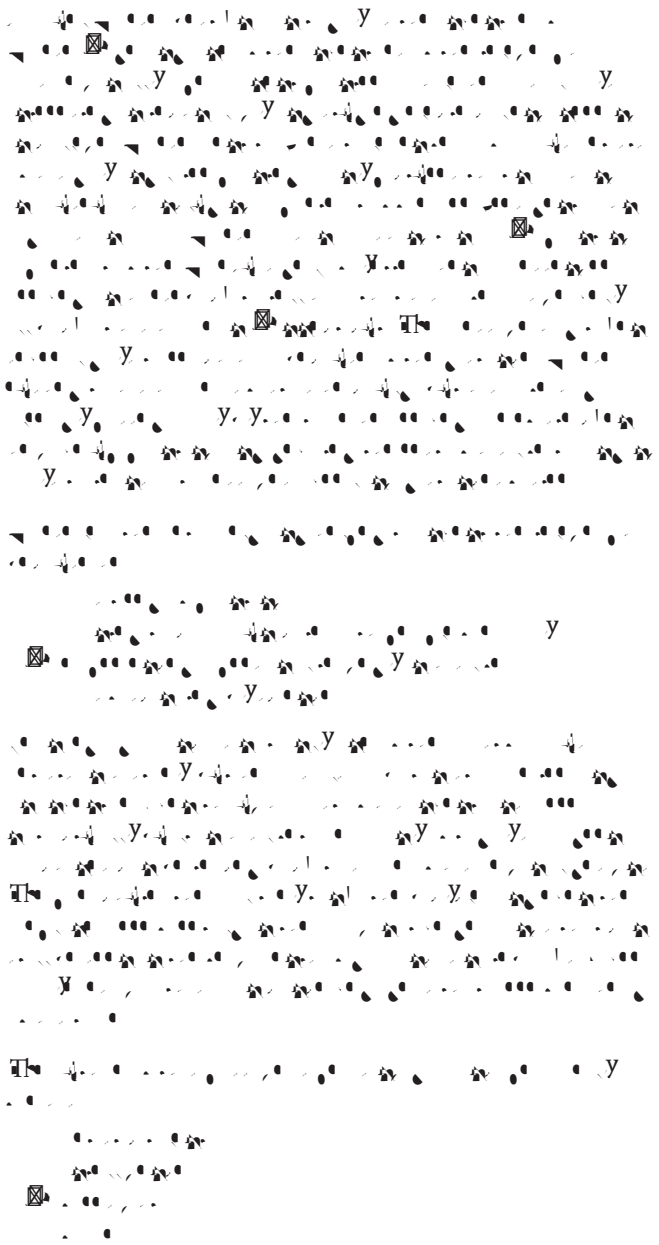
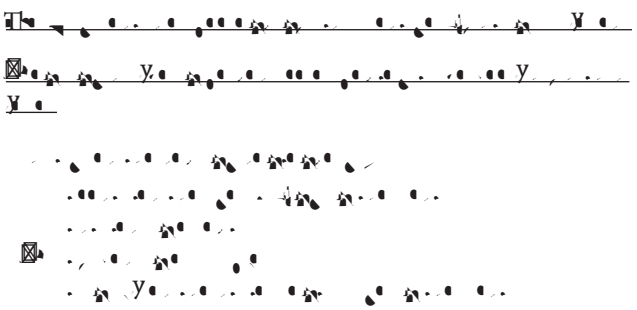
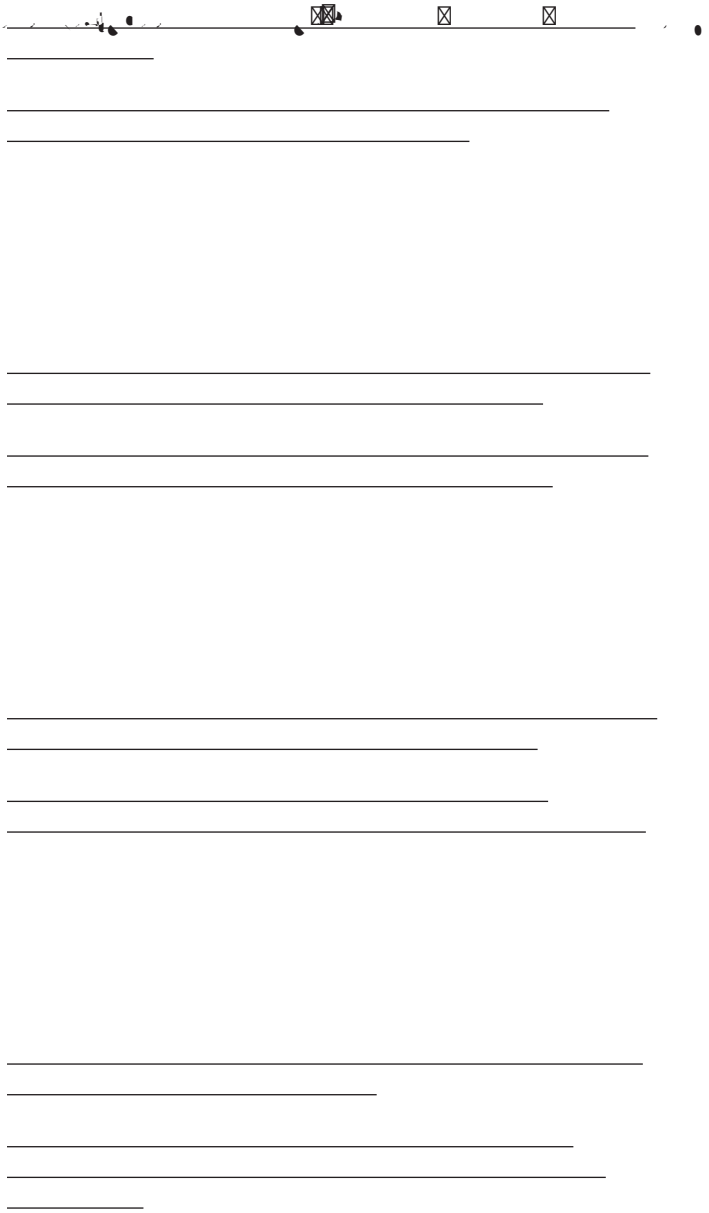


Directions for questions 10–18

For the questions that follow, two underlined sentences are followed by a question or statement. Read the sentences, then choose the best answer to the question or the best completion of the statement.





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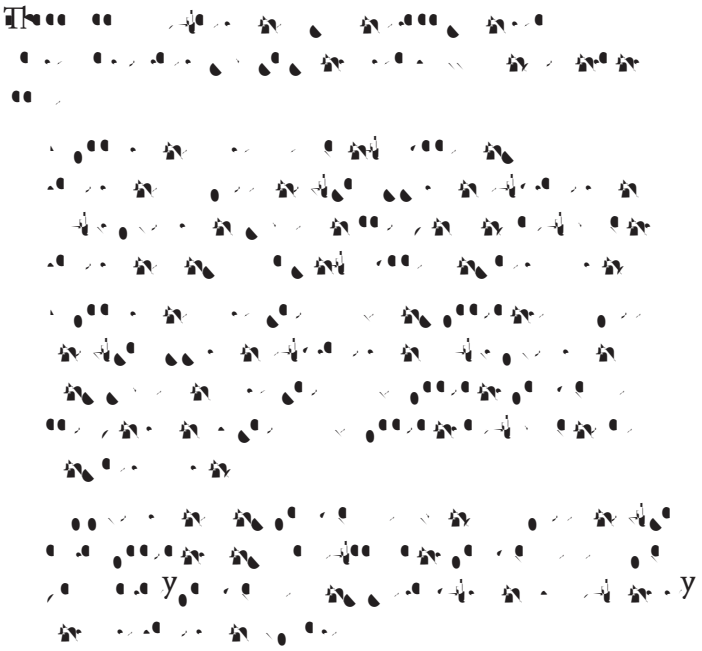
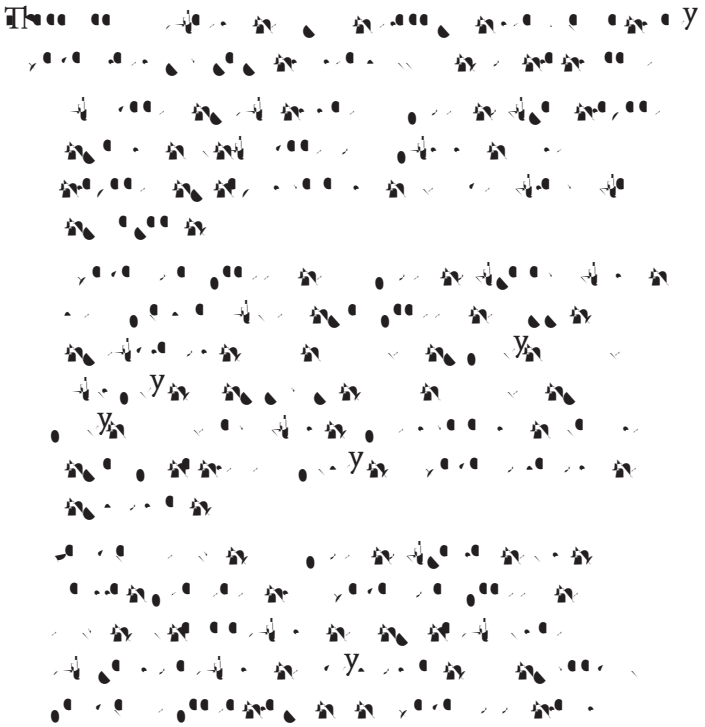


Ari hme ic Sample Q e3 ion3

For each of the questions below, choose the best answer

Elemen ar Algebra



Elemen ar Algebra
Sample Q e3 ion3

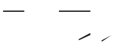
For each of the questions below, choose the best answer from the four choices given. You may use the paper you received as scratch paper.

A *B*

A *B*

A *B*

A *B*



x *xy*

πR

π R

πR *π*

πR *π R*

x *y*

x *y*

x *xy* *y*

x *xy* *y*

6. If $x > 2$, then $\frac{x^2 - x - 6}{x^2 - 4} =$

A. $\frac{x-3}{2}$

B. $\frac{x-3}{x-2}$

C. $\frac{x-3}{x+2}$

D. $\frac{3}{2}$

7. $\frac{4-(-6)}{-5} =$

A. –2

B. $-\frac{2}{5}$

C. $\frac{2}{5}$

D. 2

8. If $2x - 3(x + 4) = -5$, then $x =$

A. –17

B. –7

C. 7

D. 17

9. $-3(5 - 6) - 4(2 - 3) =$

A. –7

B. –1

C. 1

D. 7

10. $20 - \frac{4}{5}x \geq 16$

Which of the following inequalities is equivalent to the inequality shown above?

A. $x \leq 5$

B. $x \geq 5$

C. $x \leq \frac{65}{2}$

D. $x \geq \frac{65}{2}$

11. Which of the following lists of numbers is ordered from least to greatest?

A. $-\frac{1}{3}, -\frac{3}{5}, \frac{2}{3}, \frac{3}{5}$

B. $-\frac{3}{5}, -\frac{1}{3}, \frac{3}{5}, \frac{2}{3}$

C. $-\frac{1}{3}, -\frac{3}{5}, \frac{3}{5}, \frac{2}{3}$

D. $-\frac{3}{5}, -\frac{1}{3}, \frac{2}{3}, \frac{3}{5}$

12. If $5t + 2 = 6$, then $t =$

A. 8

B. $\frac{5}{4}$

C. $\frac{4}{5}$

D. –8

13. For which of the following equations are $x = 5$ and $x = -5$ both solutions?

A. $x^2 + 25 = 0$

B. $x^2 - 25 = 0$

C. $x^2 + 10x - 25 = 0$

D. $x^2 - 5x - 25 = 0$

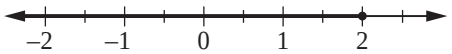
14. If $x \neq 0$, then $\frac{u}{x} + \frac{5u}{x} - \frac{u}{5x} =$

A. $\frac{7x}{5u}$

B. $\frac{5u}{7x}$

C. $\frac{29u}{5x}$

D. $\frac{31u}{5x}$

15. 

The solution set of which of the following inequalities is graphed on the number line above?

A. $2x - 4 \geq -3$

B. $2x + 5 \leq 6$

C. $3x - 1 \leq 5$

D. $4x - 1 \geq 7$

16. $2x + 6y = 5$
$x + 3y = 2$

A. None

B. One

C. Two

D. More th

A. $x - 3$

B. $x - 2$

a b $\frac{}{x}$ $\frac{}{a}$ $\frac{}{b}$ x

$\frac{}{b}\frac{}{a}$

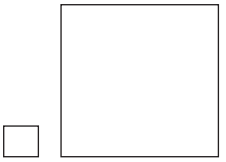
ba

$\frac{}{ab}$

$\frac{ab}{ab}$

$\frac{ab}{a-b}$

x x x



$f(x)$ x $g(x)$ $\frac{x}{}$ $f(g(x))$

x

$\frac{x}{x+}$

$\frac{x}{x}$

$\frac{x}{}$

$\frac{x}{x}$

x

x x

x x

x

x

$\frac{1+\sqrt{29}}{2}$

$\frac{5+\sqrt{17}}{2}$

$\frac{1-\sqrt{29}}{2}$

$\frac{5-\sqrt{17}}{2}$

$\frac{5+\sqrt{29}}{2}$

$f(x) = \frac{x^2}{\quad}$ f^2

f^2

$-$

$-$

$-$

a_n a_n n

$f(x) = -^x$

$f(a) \quad f(b)$

$f(a) \to f(b)$

$f(a)$ $f(b)$

$f(a) \quad f(b)$

$f(a) \quad f(b)$

$\frac{r}{s}$

$\frac{r}{s}$

rs

r

s

ESL Reading Skills