Review for Test #1 Q1

Name_____ ID: 1

Date_____ Period____

Solve each equation.

1) $180 = 6p$

2) $-1 = m - (-9)$

3) $9 + \frac{n}{2} = 6$

4) $-6 + 4x = 42$

5) $-5(1 - 7m) + 4m = -5 - 3m$

6) $2 - (-8 + 2r) = -r + 4$

Solve each proportion.

7) $-\frac{8}{2} = \frac{12}{a}$

8) $\frac{10}{3} = \frac{2}{v}$

Solve each inequality.

9) $28n < 196$

10) $-408 > -24x$

11) $\frac{m + 7}{5} > 3$

12) $-7 + 11x \geq 235$

13) $3x + 31 \leq -5 + 4(x + 8)$

14) $-4(1 - 2a) \geq 6(1 + 2a) - 2$

15) Kayla rented a bike from Kali's Bikes. It cost $16 plus $5 per hour. If Kayla paid $56, then she rented the bike for how many hours?

16) A wise man once said, "400 reduced by 4 times my age is 32." What is his age?

Answer each question and round your answer to the nearest whole number.

17) Maria reduced the size of a rectangle to a height of 7 in. What is the new width if it was originally 10 in wide and 14 in tall?

18) Cody was planning a trip to Peru. Before going, he did some research and learned that the exchange rate is $2 = 6 Nuevos Soles. How many Nuevos Soles would he get if he exchanged $12?

Assignment

Date_____ Period____

Solve each equation for the indicated variable.

1) $xm = p + n$, for x

2) $u = a + k - b$, for a

3) $xc = d - r$, for x

4) $a + c = d - r$, for a

5) $am = p + n$, for a

6) $u = ak + b$, for a

Review for Test #1 Q1

Name_____ ID: 1

Date_____ Period____

Solve each equation.

1) $180 = 6p$

$\{30\}$

2) $-1 = m - (-9)$

$\{-10\}$

3) $9 + \frac{n}{2} = 6$

$\{-6\}$

4) $-6 + 4x = 42$

$\{12\}$

5) $-5(1 - 7m) + 4m = -5 - 3m$

$\{0\}$

6) $2 - (-8 + 2r) = -r + 4$

$\{6\}$

Solve each proportion.

7) $-\frac{8}{2} = \frac{12}{a}$

$\{-3\}$

8) $\frac{10}{3} = \frac{2}{v}$

$\{0.6\}$

Solve each inequality.

9) $28n < 196$

$n < 7$

10) $-408 > -24x$

$x > 17$

11) $\frac{m + 7}{5} > 3$

$m > 8$

12) $-7 + 11x \geq 235$

$x \geq 22$

13) $3x + 31 \leq -5 + 4(x + 8)$

$x \geq 4$

14) $-4(1 - 2a) \geq 6(1 + 2a) - 2$

$a \leq -2$

15) Kayla rented a bike from Kali's Bikes. It cost \$16 plus \$5 per hour. If Kayla paid \$56, then she rented the bike for how many hours?

8

16) A wise man once said, "400 reduced by 4 times my age is 32." What is his age?

92

Answer each question and round your answer to the nearest whole number.

17) Maria reduced the size of a rectangle to a height of 7 in. What is the new width if it was originally 10 in wide and 14 in tall?

5 in

18) Cody was planning a trip to Peru. Before going, he did some research and learned that the exchange rate is \$2 = 6 Nuevos Soles. How many Nuevos Soles would he get if he exchanged \$12?

36 Nuevos Soles

Algebra 1 Name_____ ID: 1

Assignment

Date_____ Period____

Solve each equation for the indicated variable.

1) $xm = p + n$, for x $x = \frac{p+n}{m}$

2) $u = a + k - b$, for a $a = u - k + b$

3) $xc = d - r$, for x $x = \frac{d-r}{c}$

4) $a + c = d - r$, for a $a = -c + d - r$

5) $am = p + n$, for a $a = \frac{p+n}{m}$

6) $u = ak + b$, for a $a = \frac{u-b}{k}$