

QUIZ 8

7.5

GRAPH ON A PLANE.

(1.)

$$y < x - 2$$

(2.)

$$x < 5$$

7.6

GRAPH ON A PLANE.

(3.)

$$x + y \leq 7,$$

$$x - y \leq 4$$

(4.)

$$y \geq -1,$$

$$x > 3 + y$$

7.7

FIND k ; WRITE $y = kx$.

(5.)

$$y = 30 \text{ when } x = 3$$

(6.)

$$y = 500 \text{ when } x = 60$$

FIND k ; WRITE $y = \frac{k}{x}$.

(7.)

$$y = 8 \text{ when } x = 3$$

(8.)

$$y = 0.2 \text{ when } x = 5$$

4.1

(9.) SIMPLIFY

(a.)

$$8^4 \cdot 8^3$$

(b.)

$$\frac{a^{10} b^{12}}{a^2 b^0}$$

(c.)

$$\frac{(3m)^9}{(3m)^8}$$

10.

SIMPLIFY

(a.)

$$(8+5)^0$$

(b.)

$$(a^5)^8$$

(c.)

$$(-4m^4)^2$$

11.

SIMPLIFY

(a.)

$$(a^4 b^6)(a^2 b)^5$$

(b.)

$$\left(\frac{4x}{3}\right)^3$$

12.

$$\left(\frac{-4p^5}{3m^2 n^3}\right)^3$$