

$$\frac{1}{3x^2y^2}$$

7
15 lbs. of
Type 1
5 lbs of
Type 2

$$\{x \mid -2 < x < 3\}$$

or
 $(-2, 3)$

$$\{x \mid x \neq 5\}$$

25
\$11,127.70

$$\frac{3x-31}{(x+3)(x-5)}$$

$$\{-8, 9\}$$

$$\sqrt{20}$$

or
 $2\sqrt{5}$

$$(3, 11)$$

$$\{3\}$$

$$\frac{x+2}{x+4}$$

$$\{-1, 2\}$$

$$m = -\frac{2}{3}$$

$$(f \circ g)(x) = \sqrt[3]{2x+7}$$

$$\left\{\frac{\ln 11}{2}\right\}$$

or
 $\{1.199\}$

$$18x^3y^8$$

$$\left\{\frac{-1 \pm i\sqrt{5}}{8}\right\}$$

$$y = \frac{1}{2}x + 6$$

or
 $x - 2y + 12 = 0$
or
 $y - 2 = \frac{1}{2}(x + 8)$

$$f^{-1}(x) = \frac{2}{x} - 6$$

or
 $f^{-1}(x) = \frac{2-6x}{x}$

$$x = 5, y = -2$$

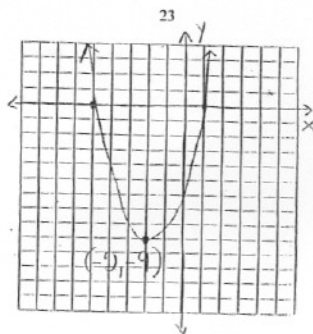
or
 $\{(5, -2)\}$

$$x^{\frac{5}{6}}$$

or
 $\sqrt[6]{x^5}$

$$\{1\}$$

17
Center: $(-1, 2)$
Radius: 3



$$x = 2, y = -1, z = -1$$

or
 $\{(2, -1, -1)\}$

$$\{-9\}$$

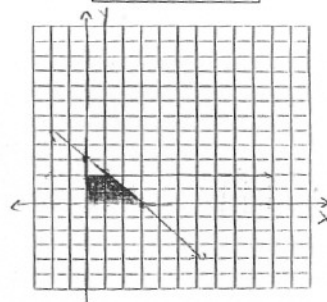
$$\{x \mid -9 \leq x \leq -3\}$$

or
 $[-9, -3]$

$$y = 2$$

30
Maximum = 9
at
 $(3, 0)$

$$q(x) = 3x^2 + 5x + 3$$



UPPER
BOUND