Chapter 2 Canvas Practice test – answers

1a) $M = 12$ 1b) $M = 80$ 1c) $M = 40$

2) $Y = 48$ 3) The theater will sell 8 bags of candy.

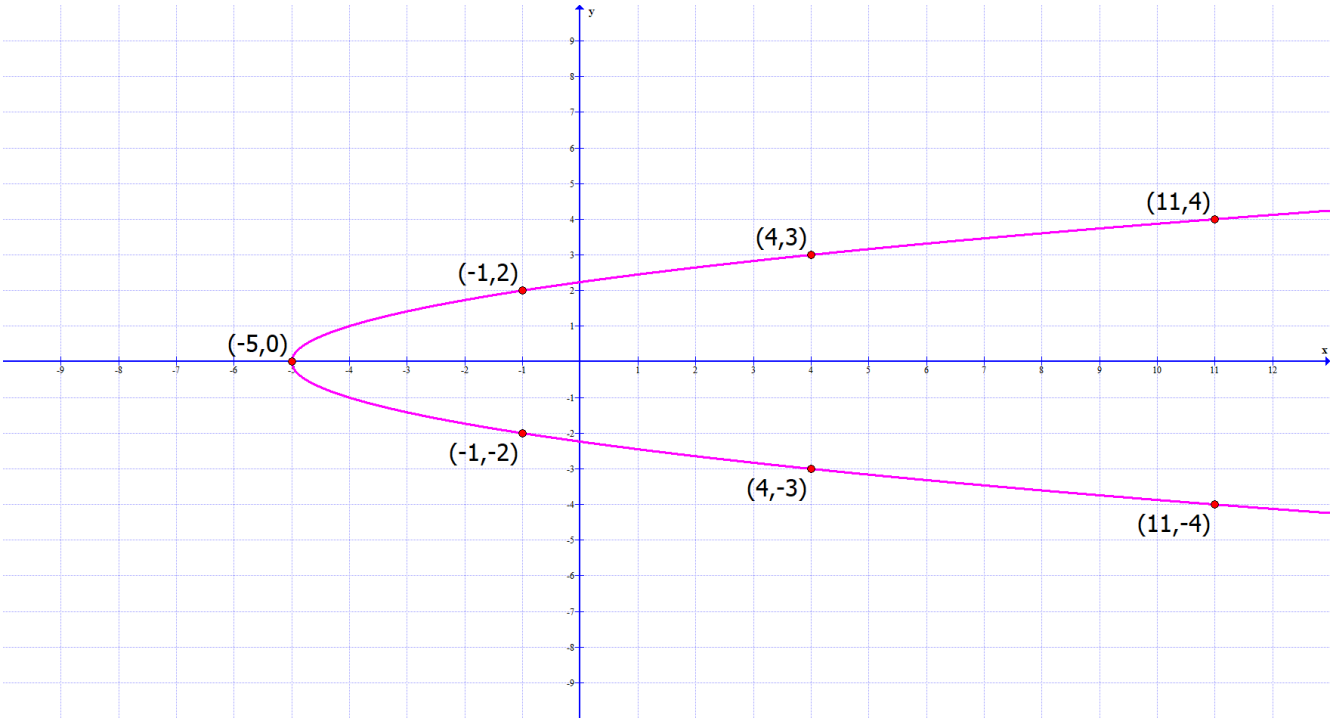
4) The car will take 160 feet to stop.

5) $x - intercept\ (18,0)\ \ y - intercept\ \ (0,-4)$

6) $x - intercepts\ (-7,0)\ \ and\ \ (5,0)\ \ y - intercept\ (0,-35)$

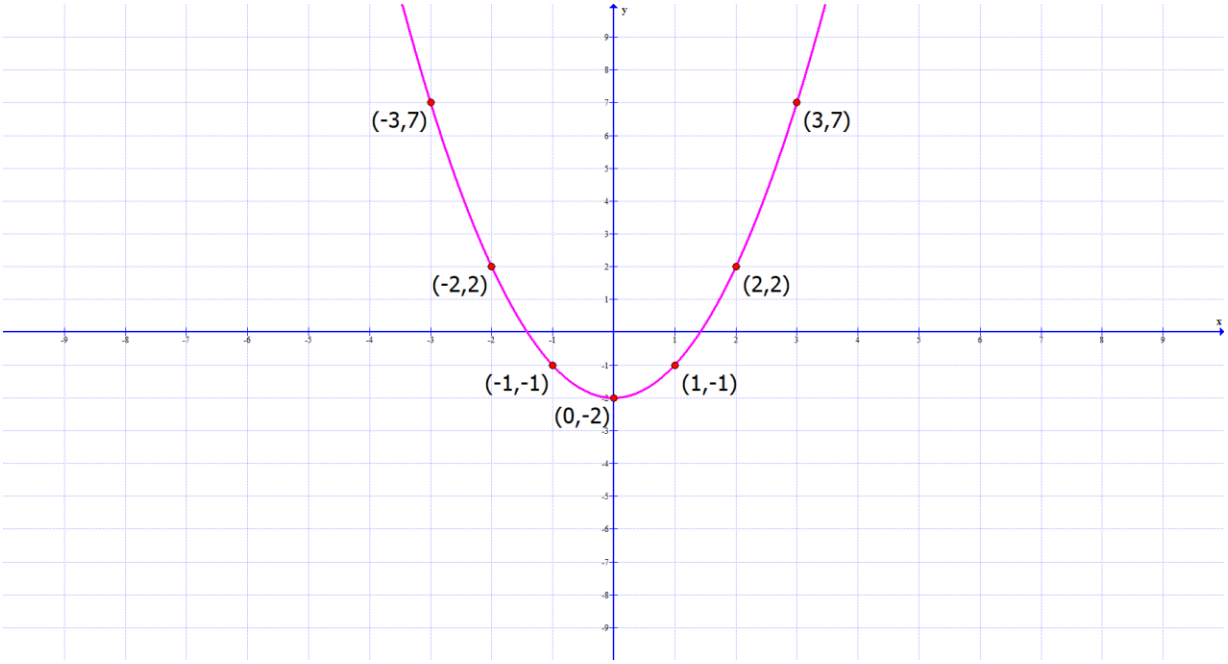
7) New points $(-1,-2)\ (4,-3)\ \ (11,-4)$

$(-5,0)\ \ remains\ but does\ not\ change$



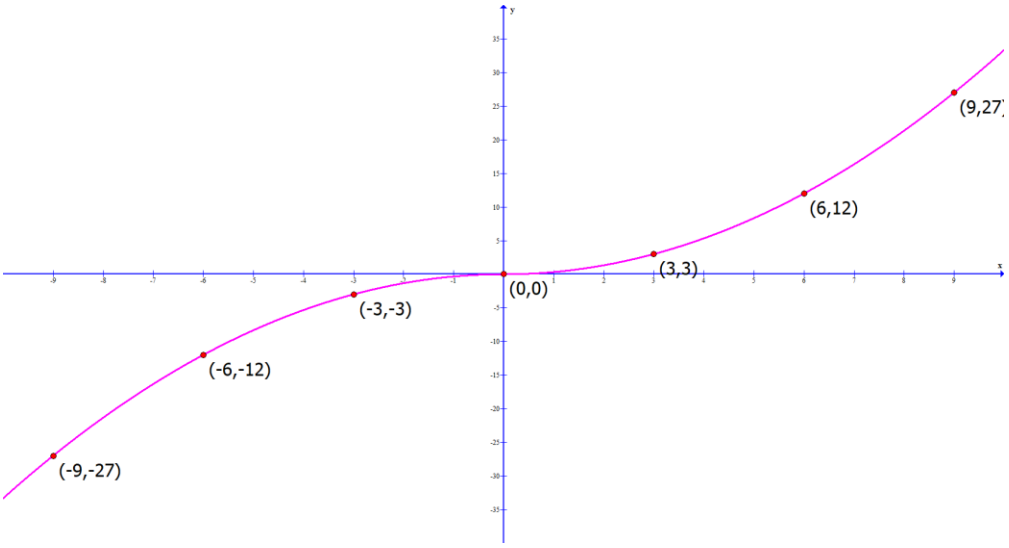
8) New points $(1,-1)\ (2,2)\ (3,7)$

$(0,-2)$ *remains but does not change*



9) New points $(3,3)\ (6,12)\ (9,27)$

$(0,0)$ *remains but does not change*



10) $m = -\frac{11}{5}$ 11a) $m = \frac{5}{9}$ 11b) $m = \frac{5}{9}$ 11c) $m = -\frac{9}{5}$

12) $y = -5x - 27$ 13) $y = \frac{1}{3}x - \frac{2}{3}$ 14) $x = -3$ 15) $y = 2$

16) $\left(x-(-4)\right)^2 + (y-5)^2 = 3^2$ *or* $(x+4)^2 + (y-5)^2 = 9$

17) $(x-2)^2+(y-1)^2=10^2$

18a) $\big(x-(-4)\big)^2+(y-2)^2=5^2$ *or* $(x+4)^2+(y-2)^2=25$

18b) center $(-4,2)$ 18c) radius 5