



1.

$$P_1(x) = 100 - \frac{1}{3}x \{0 \leq x \leq 300\}$$

2.

$$P_2(x) = 100 - \frac{2}{3}x \{0 \leq x \leq 150\}$$

3.

$$P_3(x) = \frac{220}{3} - \frac{1}{3}x \{0 \leq x \leq 220\}$$

4.

$$(160, P_1(160))$$

☒ Show Label

5.

$$(80, P_2(80))$$

☒ Show Label

6.

$$y = \frac{140}{3} \{0 \leq x \leq 160\}$$

7.

$$x = 80 \{0 \leq y \leq P_2(80)\}$$

8.

$$x = 160 \{0 \leq y \leq P_1(160)\}$$

9.

$$\left(0, \frac{140}{3}\right)$$

☒ Show Label 140/3

10.

$$(80, 0)$$

☒ Show Label 80

11.

$$(160, 0)$$

☒ Show Label 160