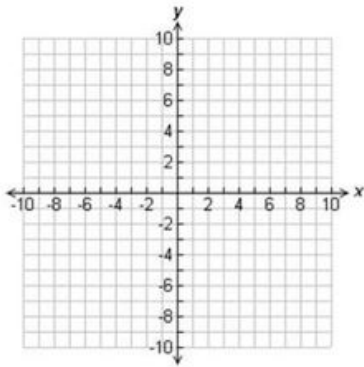
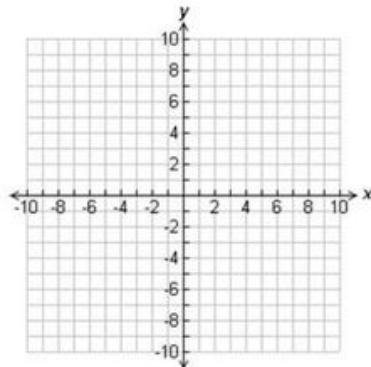


GRAPHING

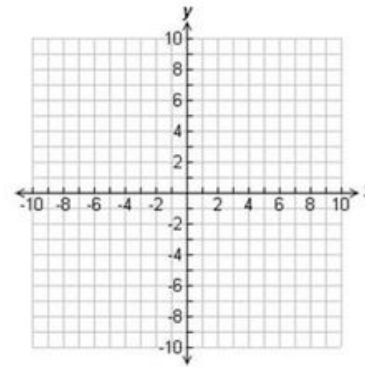
$$\{x:x>4\}$$



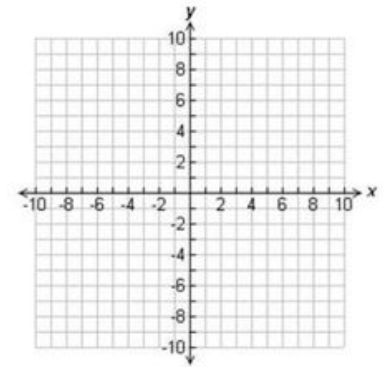
$$\{x:x<6\}$$



$$\{x:x>5\}$$



No solution



ALGEBRAICALLY

$$\{x:x<4\}$$

$$\{x:x>-3\}$$

$$\{x:x<3\}$$

$$\{x:x<1.5\}$$

WORD PROBLEMS

$$P(t) = 2t + 14$$

$$R(t) = 5t$$

$$P(t) < R(t)$$

$$2t + 14 < 5t$$

$$14 < 3t$$

$$t > 4.6$$

You need to watch 5 or more TV shows for the Premier Membership to be the better bargain.