

MA 15200 and MA 15200X Answers
Exam 2, Spring 2009

1) The solution is at least -5 , but less than 3 . ($x = 2$)

2) None of the above. ($x = \frac{5}{2}$, $x = -2$)

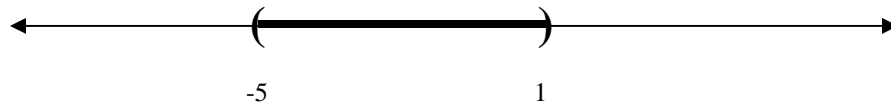
3) $(x+3)^2 = 4$

4) $n \leq \frac{18}{7}$

5) $12 + 4i$

6) $x = \frac{2}{3}$

7)



8) I and II only

9) $6y = 3 + 10x$ (Slope is $\frac{5}{3}$)

10) $x - 5y = -19$

11) $(12, 0)$, $(-2, 0)$, $(0, -24)$

12) $y = -\frac{5}{2}x - 4$

13) $4.5x + 6(680 - x) = 3405$

14) $x^2 - 70x - 3000 = 0$

15) The time is at least 2.5 hours, but less than 2.8 hours. (2.7 hours)