

Answers to HW7

1. $(x+8)(x-3)$

2. $6x^2 + 11x - 11$

3. $2y^2 + 17y - 30$

4. $4y + 38$

5. $x < 2$... open circle shaded to the left

6. $x = -4$

7. 35

8. 1.538×10^8 cats and dogs

9. slope = -9, y-intercept = 10 ...
(0,10)

10. roc = slope/1 = -1.5/1

11. (3, -1)

12. $x = 35$ degrees

13. x is about 17.3

14. $x = 2$