SM2 4.5 odd answers

1. $h(x) = x^2 - 4x - 5$

3. $h(x) = -3x^2 - 3x + 20$

5. $h(x) = -3x^3 + 4x^2 + 17x - 6$

7. -7

9. -3

11. 0

13. $(x) = \frac{-3x+2}{(x-3)(x+2)}$ domain $= (-\infty, -2) \cup (-2, \ 3) \cup (3, \ \infty)$

15. $j(x) = x + 2$ domain $= (-\infty, \ 3) \cup (3, \ \infty)$

17. 0

19. $P(x) = -0.63x^2 + 328x - 21000$

$P(200) = \$19,400$