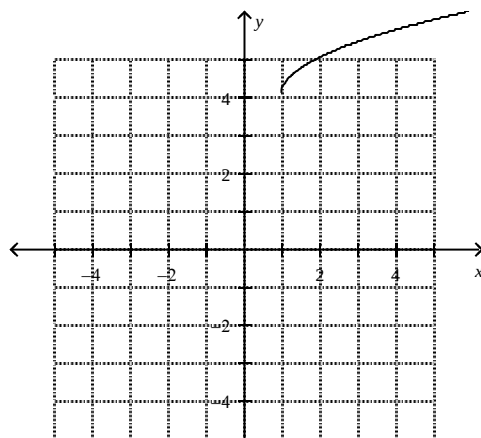
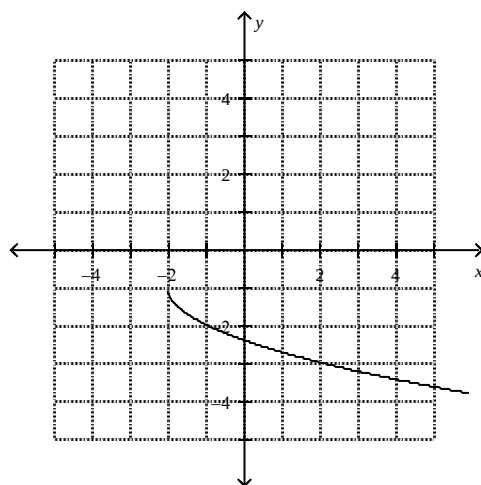


## Ch 7 Review - SOLUTIONS

1. no real root
2.  $-\frac{2}{5}$
3.  $5x^3y^4$
4.  $2\sqrt{11}$
5.  $2a^3b^3\sqrt[3]{4a}$
6.  $x^3 \cdot \sqrt[3]{63x^2}$
7.  $3^3\sqrt{2}$
8.  $3x^6\sqrt[3]{3}$
9.  $2x^8\sqrt{6x}$
10.  $\frac{x^3y^2\sqrt{30y}}{5}$
11.  $\frac{\sqrt[3]{245}}{7}$
12.  $\frac{23 - 9\sqrt{3}}{13}$
13.  $9\sqrt{5x}$
14. not possible to simplify
15.  $12\sqrt{5}$  units
16.  $2\sqrt{5} + 5\sqrt{2}$
17. 17
18. 10
19. 9
20.  $26 + 3\sqrt{2}$
21.  $9 - 4\sqrt{5}$
22. 5
23.  $\sqrt[3]{(4x)^4}$
24.  $\frac{a^6}{4}$
25. 76
26. 26; -38
27. -5, 11
28.  $\frac{5}{2}$
29.  $\frac{8}{11}$
30.  $2d^2e^{14}\sqrt{5d^3e^2}$
31.  $y = \sqrt{x+4} - 3$



32.



33.