

Answers to Assignment (ID: 1)

1) $2b^4 - 14ab^2 - 3b^2$

2) $n^2 - 4n - 8 - \frac{7}{4n-5}$

3) $48x^4 + 32x^3 - 104x^2 - 24x + 40$

4) $100x^2 - 16y^2$

5) No solution.

6) $\left\{ \frac{-5 + \sqrt{31}}{6}, \frac{-5 - \sqrt{31}}{6} \right\}$

7) $-2\sqrt{6} + 8\sqrt{5} - 3\sqrt{7}$

8) $\frac{-8 + 4\sqrt{2} - 10\sqrt{3} + 5\sqrt{6}}{4}$

9) $\{1\}$

10) $-26 - 17\sqrt{2}$

11) $\frac{-3k - 3 - 2k^2}{(k+3)(k-1)}$

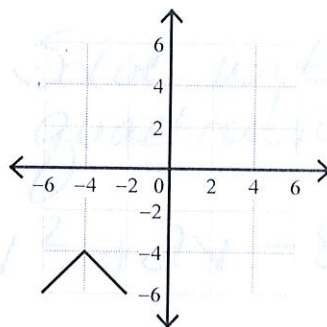
12) $\frac{2}{35}$

13) $\left\{-1, -\frac{1}{2}\right\}$

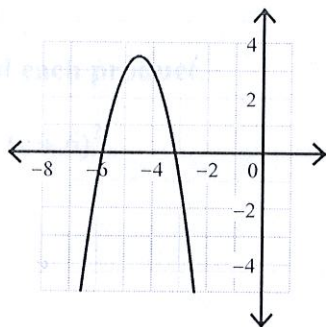
14) $\frac{6n}{7n+3}; \left\{0, -\frac{3}{7}\right\}$

15) $\frac{n+1}{7}$

16)



17)



18) $v^2 + 12v + 36$

19. $(-7 + \sqrt{87}, -7 - \sqrt{87})$

20. $(2, -4)$

21. $x = 4$ or 15
 $y = 204$ 424

22. 16 $1,5$

23. a. 2.25 (t) 86 ft

b. -1.068

4.5