

Algebra I - pg 526

| Part A | | Part B | | Part A | | Part B | | |
|--------|------------------|-------------|------|-----------------------|------------------------|-----------------|------|----------------|
| 2.) | $10 2 $ | | | 14.) | $\pm 2 2^2 14$ | $\pm 248 2^22 $ | | |
| 4.) | $4 b^2 \sqrt{2}$ | $5.66 b^3 $ | | 16.) | $-20 a^2b^2 $ | | | |
| 6.) | $-81x $ | | | 18.) | $\pm \frac{4}{51}a $ | $\pm 0.8 s^4 $ | | |
| 8.) | $4 d^4 $ | | | 20.) | $\frac{3 m }{ n }$ | | | |
| 10.) | $7 ab $ | | | 22.) | $\frac{18 r^{10} }{7}$ | $257 r^{25} $ | | |
| 12.) | $4 n^2 \sqrt{5}$ | $874 n^3 $ | | 24.) | $1.4 k^3 $ | | | |
| 28.) | $\{\pm 8\}$ | | 36.) | $\{\pm \frac{8}{3}\}$ | | | 44.) | $\{\pm 14.3\}$ |
| 30.) | $\{\pm 7\}$ | | 38.) | $\{\pm \frac{7}{4}\}$ | | | 46.) | $\{\pm 3.6\}$ |
| 32.) | $\{\pm 9\}$ | | 40.) | $\{\pm 124\}$ | | | 48.) | $\{\pm 4.4\}$ |
| 34.) | $\{\pm 3\}$ | | 42.) | $\{\pm .05\}$ | $\{\pm .54\}$ | | 50.) | $\{\pm 0.3\}$ |

18) $\pm \sqrt{\frac{256}{400s^{12}}}$

$$\frac{16}{20|s^6|}$$

$$\frac{4}{5|s^6|}$$

20) $\sqrt{\frac{9m^2n^2}{5mn^2}} = \sqrt{\frac{9m^2}{n^2}}$

$$\frac{3|m|}{|n|}$$

22) $\sqrt{\frac{324r^{50}}{49}}$

$$\frac{18|r^{25}|}{7}$$

26) $\sqrt{m^2 - 12m + 36}$

$$\sqrt{(m-6)(m-6)}$$

$$\sqrt{(m-6)^2} = |m-6|$$

38) $rs + 0 = 80p^2 - 125 + 125$

$$\frac{125}{80} = \frac{80p^2}{80}$$

$$\sqrt{\frac{25}{16}} = \sqrt{p^2}$$

$$\frac{5}{4} = |p|$$

$$\{\pm \frac{5}{4}\}$$

42) $\sqrt{.29} = \sqrt{k^2}$

$$.54 = |k|$$

$$\{\pm .54\}$$

48) $\frac{7z^2}{7} = \frac{133}{7}$

$$\sqrt{z^2} = \sqrt{19}$$

$$|z| = 4.36$$

$$\{\pm 4.36\}$$