

1) $\{9\}$	12) $\{320\}$	23) $\{63\}$
2) $\{196\}$	13) $\{8\}$	24) $\{50\}$
3) $\{8\}$	14) $\{-4\}$	25) $\{80\}$
4) $\{27\}$	15) $\{8\}$	26) $\{\frac{432}{7}\}$ 61.71
5) $\{\frac{1}{50}\}$.02	16) $\{\frac{65}{18}\}$ 2.08	27) $\{18\}$
6) $\{\frac{1}{36}\}$.03	17) $\{4\}$	28) $\{18\}$
7) $\{16\}$	18) $\{3\}$	29) $\{22\}$
8) $\{81\}$	19) $\{\frac{1}{8}\}$ 0.13	30) $\{17\}$
9) $\{\frac{1}{4}\}$.11	20) $\{2\}$	31) $\{18\}$
10) $\{\frac{25}{4}\}$ 6.25	21) $\{\frac{36}{5}\}$ 7.6	32) $\{\frac{25}{18}\}$ 6.94
11) $\{18\}$	22) $\{\frac{6}{5}\}$ 1.2	33) $\{\pm 3\sqrt{7}\}$ ± 7.94

5) $\sqrt{8x} = (\frac{2}{5})^2$
 $\frac{8x}{8} = \frac{4}{25 \cdot 82}$
 $x = \frac{1}{50}$
 $\{\frac{1}{50}\}$

6) $\sqrt{4m} = (\frac{1}{3})^2$
 $\frac{4m}{4} = \frac{1}{9 \cdot 4}$
 $m = \frac{1}{36}$
 $\{\frac{1}{36}\}$

9) $\frac{2}{2} + \sqrt{b} = 1$
 $\frac{2}{2} - \frac{2}{2} + \sqrt{b} = 1 - \frac{2}{2}$
 $\sqrt{b} = (\frac{1}{3})^2$
 $\{\frac{1}{9}\}$

15) $\frac{20}{5} = \frac{5\sqrt{2x}}{5}$
 $4 = \sqrt{2x}$
 $\frac{16}{2} = \frac{2x}{2}$
 $8 = x$
 $\{8\}$

16) $\frac{5}{2} = \frac{2\sqrt{3x}}{2}$
 $(\frac{5}{2})^2 = \sqrt{3x}^2$
 $\frac{25}{4 \cdot 3} = \frac{3x}{3}$
 $\{\frac{25}{12}\}$

21) $\sqrt{5y-2} + 3 = 9$
 $\sqrt{5y-2} + 3 - 3 = 9 - 3$
 $\sqrt{5y-2} = 6$
 $5y - 2 = 36$
 $5y - 2 + 2 = 36 + 2$
 $5y = 38$
 $\{\frac{38}{5}\}$

22) $\sqrt{5m-5} + 6 = 7$
 $\sqrt{5m-5} + 6 - 6 = 7 - 6$
 $\sqrt{5m-5} = 1$
 $5m - 5 = 1$
 $5m - 5 + 5 = 1 + 5$
 $5m = 6$
 $m = \{\frac{6}{5}\}$

24) $\sqrt{r} = (5\sqrt{2})^2$
 $r = 25 \cdot 2$
 $\{50\}$

25) $8 = \sqrt{\frac{a}{4}} - 2$
 $8 + 2 = \sqrt{\frac{a}{4}} - 2 + 2$
 $10 = \sqrt{\frac{a}{4}}$
 $4 \cdot (100 = \frac{a}{4})$
 $400 = \frac{a}{1}$
 $80 = a$
 $\{80\}$

27) $\sqrt{\frac{2x+9}{5}} = 3$
 $\frac{2x+9}{5} = 9$
 $2x+9 = 45$
 $2x+9-9 = 45-9$
 $2x = 36$
 $x = 18$
 $\{18\}$

31) $15\sqrt{2} = \frac{5JE}{5}$
 $(3\sqrt{2})^2 = JE^2$
 $9 \cdot 2 = t$
 $\{18\}$

32) $\frac{5\sqrt{10}}{6} = \frac{6\sqrt{m}}{6}$
 $(\frac{5\sqrt{10}}{6})^2 = \sqrt{m}^2$
 $\frac{25 \cdot 10}{36} = m$
 $\{\frac{125}{18}\}$