3) $cb = a;\ \frac{a}{b} = c;\ \frac{a}{c} = b$

4c) Multiply both sides by $\frac{3}{2}$ and get p=96

4d) Divide both sides by $\frac{2}{3}$ and get p=96

6) 1.25

7) $-\frac{1}{6}$

8) $\frac{7}{4}$

10a) They are reciprocals of each other.

10b) a is zero, or b is zero, or both are zero.

11) Division by zero is not defined.

12a) No number

12b) all numbers

12c) zero

13) x=0

14) No solution

15) Any number

16) Any number

20) Product of two negative numbers is positive, not negative

22) 24

23a) Yes, it is possible

23b) Width $\frac{1}{50}$ cm.

25a) $d = tr;\ r = \frac{d}{t};\ t = \frac{d}{r}$

25b) About 3.81 hrs.

28) 73°

29) They are equivalent when $p = 6$, because $18p^2 + p = 18(6^2) + 6 = 654$ and $p^3 + 9p^2 + 19 = 9(6)^2 + (6)^3 + 19(6) = 654$.

31) never positive

32) never positive

33) always positive

34) sometimes positive