

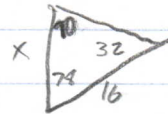
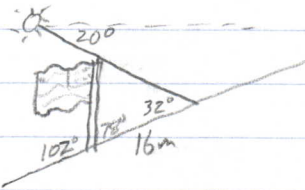
Advanced Math

Pg 518

2) $\angle A = 15^\circ$ 4) $\angle A = 35^\circ$ 6) $\angle B = 45.79^\circ$
 $a = 4.48$ $a = 36.50$ $\angle C = 14.21^\circ$ 8) $\angle B = 101.1^\circ$ 10) $\angle C = 166^\circ 5'$
 $b = 12.29$ $b = 11.05$ $\angle C = 105.79^\circ$ $a = 1.35$ $a = 3.30$
 $b = 2.55$ $b = 3.23$ $c = 8.05$

12) $\angle A = 44.24^\circ$ 14) $\angle B = 75.48^\circ$ 16) $\angle A = 179.69^\circ$ 18) $\angle B = 72.2^\circ$
 $\angle C = 50.43^\circ$ $\angle C = 4.52^\circ$ $\angle C = 2.57^\circ$ $\angle C = 49.8^\circ$
 $b = 38.67$ $b = 122.87$ $a = 11.99$ $c = 14.2^\circ$
 $c = 3.30$

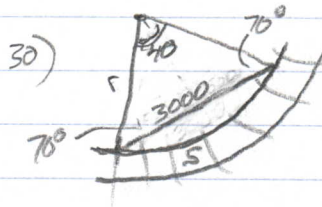
22) $\angle B = 48.74^\circ$
 $\angle C = 21.26^\circ$
 $c = 48.23$



$$\frac{x}{\sin 32} = \frac{16}{\sin 70}$$

$$x = 9.02$$

26) 13.3
 27) 16.1°
 28) $S 60^\circ W$
 29) 77m

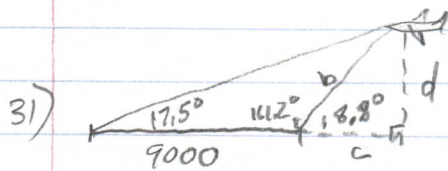


$$\frac{r}{\sin 70} = \frac{3000}{\sin 40}$$

$$r = 4385.71 \text{ Ft}$$

$$s = \left(\frac{40}{360}\right) (4385.71) (2)\pi$$

$$= 3061.80 \text{ Ft}$$



$b = 22.6 \text{ mi}$
 $c = 21.4 \text{ mi}$
 $d = 7.09 \text{ mi}$

32) 612 mi

34) 3.2 mi

33) 25.8 km
 42.3 km

35) 4.55 mi

36)

θ	0°	45°	90°	135°	180°
d	0	.5338	1.6905	2.6552	3

40) 3204 units²

42) 4.529 units²

b) .0071 "

44) 159.3 units²