

5.5-5.6

Pg 348 (18-30 even, 35, 42-52 even)
Pg 355 (9-14, 18-27)

(18) $\angle J, \angle L, \angle K$
(20) Yes! $6+10 > 15$ $6+15 > 10$ $10+15 > 6$

(22) No! $5.8+5.8 < 11.9$

(24) $6+8=14$ Yes!
 $3(6)+5=23$ $14+21 > 23$
 $4(6)-11=21$

(26) $19-4 < x < 19+4$
 $15 < x < 23$

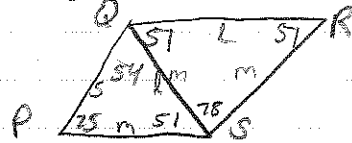
(28) $9.2-3.8 < x < 9.2+3.8$
 $5.4 < x < 13$

(30) $3\frac{5}{8}-2\frac{1}{2} < x < 3\frac{5}{8}+2\frac{1}{2}$
 $1\frac{3}{8} < x < 5\frac{6}{8}$

(35) $10x-2+4.5x-5+5x-8=180$
 $19.5x-15=180$
 $19.5x=195$
 $x=10$

$\angle E = 10(10)-2 = 98^\circ$
 $\angle D = 4.5(10)-5 = 40^\circ$
 $\angle F = 5(10)-8 = 42^\circ$

Short to long: EF, DE, DF



- (42) >
- (44) <
- (46) <
- (48) >
- (50) =
- (52) <

Pg 355 (9-14, 18-27)

(9) $m\angle DCA > m\angle BCA$
(10) $m\angle GHJ < m\angle KLM$

(11) $TU > SV$

(12) $4z-12 < 16$ $4z-12 > 0$
 $4z < 28$ $4z > 0$
 $z < 7$ $z > 0$

$3 < z < 7$

(13) $2z+7 < 72$ $2z+7 > 0$
 $z < 32.5$ $2z > -7$
 $z > -3.5$

$-3.5 < z < 32.5$

(14) $4z-6 < z+11$ $z+11 > 0$ $4z-6 > 0$
 $z < 17/3$ $z > -11$ $z > 1.5$

$1.5 < z < 17/3$

- 18 <
- 19 >
- 20 <
- 21 =
- 22 >
- 23 <

- 24 AC > DF
- 25 m < RSV < m < TSV
- 26 HS > LM
- 27 m < YMX > m < ZMX