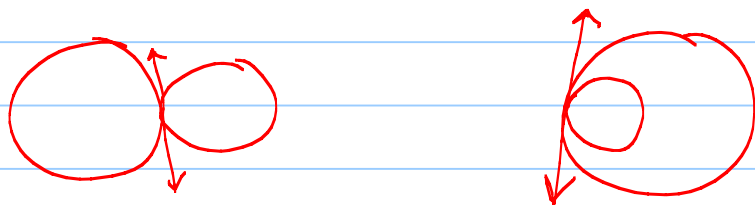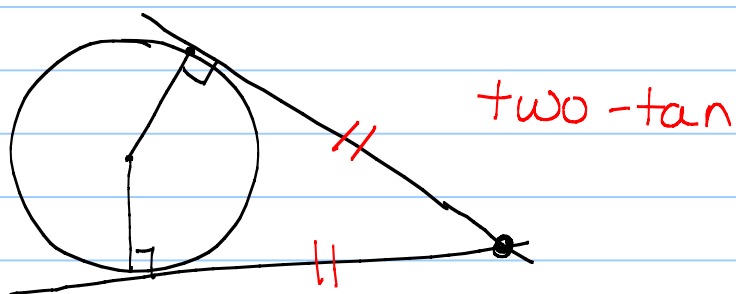## 10-3: 6, 9a, 9c, 10-13, 17-20
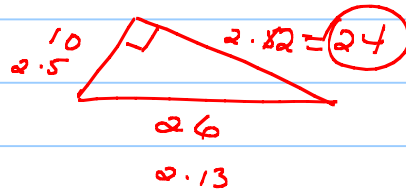
Mon	1/25	10-4: 3, 6, 10, 12, 13, 14, 16, 17, 21, 23, 25 Short review
Tues	1/26	Quiz 10.1-4 8 problems (3 pts ea) and one proof (5 pts)

secant

tangent

pt. of tangency

$(\tan \Leftrightarrow \perp)$
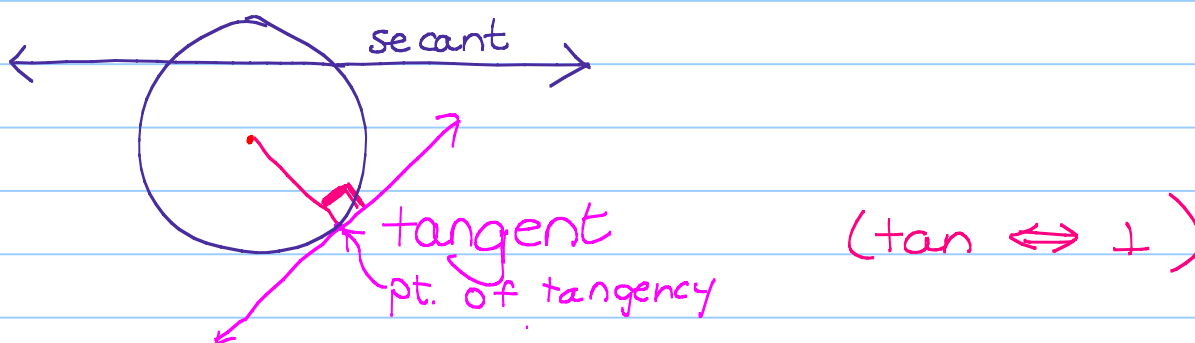
two-tan

Common Tangents

$r_A = 18$ $r_B = 8$

C   （24）
18
8
D
10
A 18 8 B
8
26

10
2·5
2·12 = （24）
26
2·13

2.

Y
6
Z
6
8
X
O
10
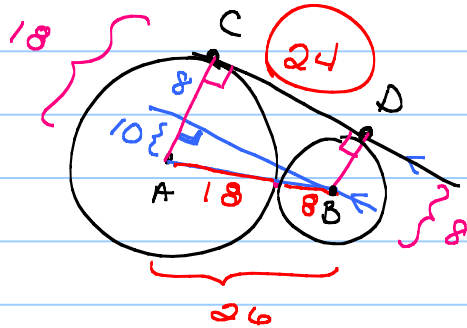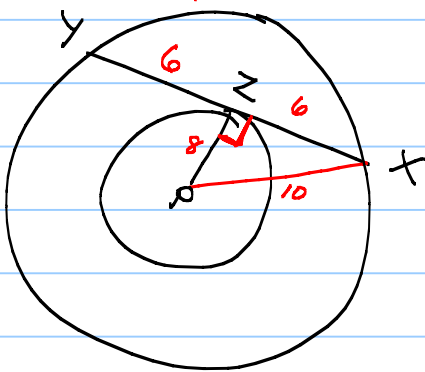
Draw rad
Z
8
10
X
P
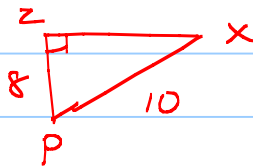
ZX = 6

rad ⊥ chd ⇒ bis
∴ YX = 12

Walk around

10 ⊙P is tangent to each side of ABCD.
AB = 20, BC = 11, and DC = 14. Let
AQ = x and find AD.

two-tan thm
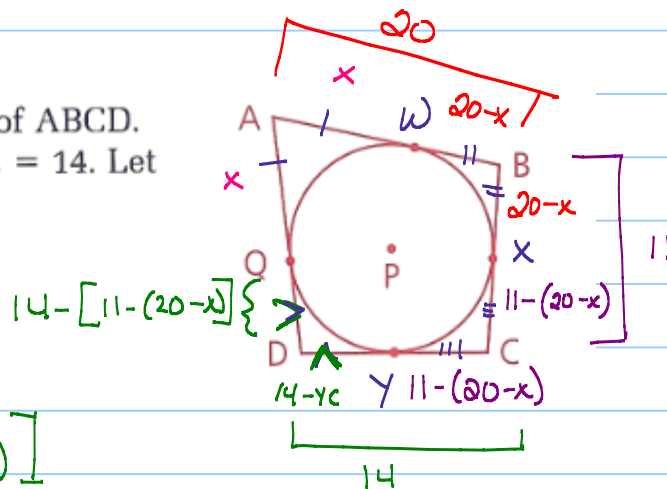
$$AD = x + 14 - [11-(20-x)]$$
$$- [11-20+x]$$
$$= x + 14 - 11 + 20 - x$$

$$= 23$$