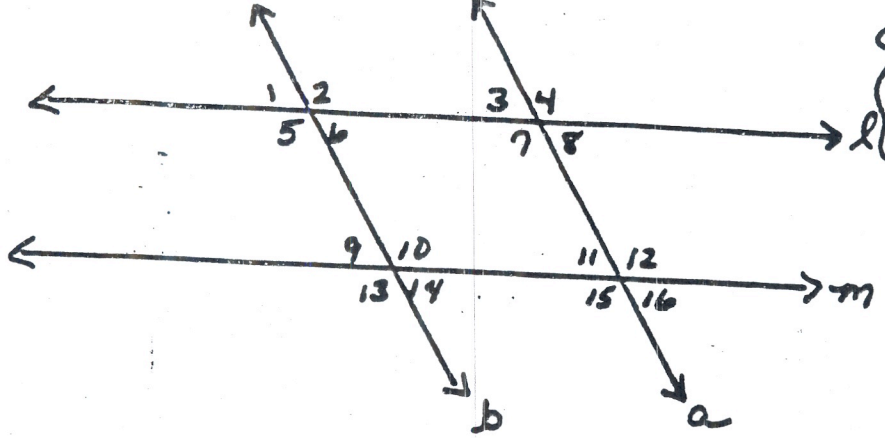

Algebra Facts:
Parallel lines: __ s
Perpendicular lin
slopes are ____
____

Name the angle type for each pair:

1) ∠1 • ∠14 _____ 3) ∠9 • ∠11 _____ 5) ∠4 • ∠16 _____

2) ∠15 • ∠14 _____ 4) ∠7 • ∠12 _____ 6) ∠3 • ∠11 _____

If a∥b and l∥m, what relationship does each pair have? (≅, supp, co

7) ∠13 • ∠16 _____ 9) ∠5 • ∠10 _____ 11) ∠9 • ∠16 _____

8) ∠13 • ∠6 _____ 10) ∠12 • ∠8 _____ 12) ∠5 • ∠4 _____

If a∥b and l∥m, find the angle measure of:

13) m∠14 = ___° if m∠15 = 60° why? If _____ then lines ∥

14) m∠15 = ___° if m∠7 = 100° why? _____

15) m∠10 = ___° if m∠2 = 70° why? _____

16) m∠16 = ___° if m∠3 = 50° why? _____

17) m∠2 = ___° if m∠7 = 40° why? _____

18) m∠13 = ___° if m∠1 = 80° why? _____

Find the slope of the line passing through: $m = \frac{y_2 - y_1}{x_2 - x_1}$

19) (4, 1) (5, 6) ____

20) (4, -2) (-3, 5) ____

21) (6, -3) (6, 4) ____

22) (4, 5) (9, 5) ____

Given: $y = 2x - 3$

21) slope = ____

1) slope of a line (∥) to the given line: ___

2) slope of a line (⊥) to the given line: ___

4) What is the slope of $2y = 5x - 3$? ___

★ Given: $3x + 2y = 6$ ★

25) slope = ____

26) slope of line (∥) to given line ____

27) slope of line (⊥) to give line ____