

Name	HT3	Sheet 6	Class	Score
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**Section A**

**Averages**

a) 4, 6, 8, 10, 12

Mean \_\_\_\_\_

Median \_\_\_\_\_

Mode \_\_\_\_\_

Range \_\_\_\_\_

b) 5, 6, 8, 4, 6, 8, 6,

Mean \_\_\_\_\_

Median \_\_\_\_\_

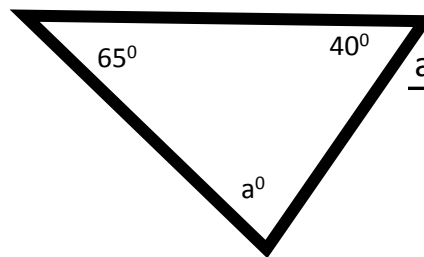
Mode \_\_\_\_\_

Range \_\_\_\_\_

**Section C**

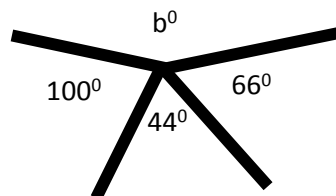
**Angle Facts**

a)



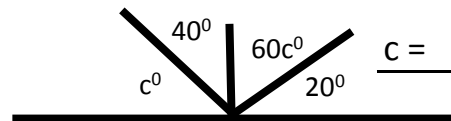
a = \_\_\_\_\_

b)



b = \_\_\_\_\_

c)



c = \_\_\_\_\_

**Section B**

**Algebra**

Solve

a)  $9 + x = 14$  \_\_\_\_\_

b)  $x - 5 = -2$  \_\_\_\_\_

c)  $2x = -10$  \_\_\_\_\_

d)  $100 / x = 25$  \_\_\_\_\_

Simplify

a)  $a + a + a + b + a =$  \_\_\_\_\_

b)  $12b + 3c - b =$  \_\_\_\_\_

c)  $-2a - 3a - 5b =$  \_\_\_\_\_

d)  $x + xy + yx - x =$  \_\_\_\_\_

Expand

a)  $1(x + 1) =$  \_\_\_\_\_

b)  $-5(-x - 2) =$  \_\_\_\_\_

c)  $5x(a + b) =$  \_\_\_\_\_

d)  $x(x + 2y) =$  \_\_\_\_\_

**Section D**

**Fractions, Decimals and Percentages**

convert Fraction    Decimal    %

a)	1/6		
b)		0.25	
c)			70%
d)	8/10		
e)		0.35	
f)			150%

g) What is 10% of 0.1?  
\_\_\_\_\_

h) What is 20% of 0.2?  
\_\_\_\_\_

i) What is 99/100 of 200?  
\_\_\_\_\_

j) What is 0.5 x 5?  
\_\_\_\_\_

k) What is 12.5% of 50?  
\_\_\_\_\_