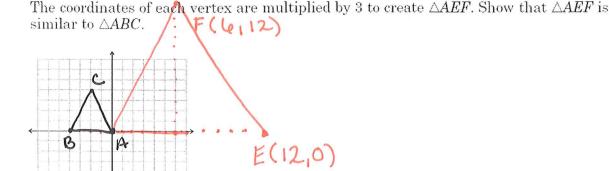
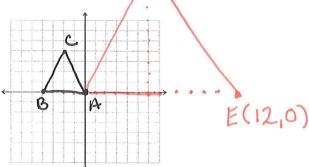
Nam		4			Date:	HR:	
Sí	mílar P ó	lygons HO	OME WOI	RK			
		N SLRs =			ding Ls	~	
		s are similar. Justify y		nodeled in class			*
1.	10.5	E 4 80 6 59° 35° 7	F		Z 7.5 Y		ZW, ZQ ≧Z ≅ ZY, ZS ≅Z Sp. ZS €
< A	≥< D, < C	ZKF, KB	≅ \ E	PQ	= QR = RS	SP = 3	=. Hor 2
	- : \(\frac{3}{4} \); SLRS =	ding Ls a BC = 9 = 3 EF = 6 = 2 Correspond	AC 3 10.5 =	3 / CC	SLRs: orrespond SLRs are	ling Ls	ne = or
3.	15	ABC ABC	4.	14 16 A 2	18 2°	2 Rhomi	ous WXY Z
PS :	= 24 = 1.6,	$\frac{K7}{QK} = \frac{20}{12} = 1.\overline{6}$	LK = 15 = 1.6 SR = 9	AB VV = 1		C = IH = 2	< C ≥ < T CA = 12-3 ~ and
PO	= == 1,6, cespondi	SLRs are =		SLR:	sare eg	ual	
\mathbf{E}	ach pair of pol	OKSP ygons is similar. e indicated side(Write a similar	ity statemen	$\triangle ABC$	7	√
5.	\overline{LM} and \overline{MN}						
	A 14 B	C N x+6 M x+9	500~LMNP	6. <i>DE</i> and	12 F	40°x-3 x+1 D C A DEF	
-		X+6 - X+9	JI. AB	<u> </u>	AC EC		
	14 × +84 =	10 (x+9) = 10 x +90 = 6	SF = 10.5	$r=\frac{3}{4}$	6 x	1) = $12(x)$ +6 = $12x$ x=7	1-36
LL	1 = 10.5	= \(\text{3} = 1.5 \\ = \(\frac{3}{4} = \frac{3}{2} = 1.5 \\ MN = 7.5		š	DE=4	DF = 8 AC = 12	21133





NUTRITION One ounce of cheddar cheese contains 9 grams of fat. Six of the grams of fat are saturated fats. Find the ratio of saturated fats to total fat in an ounce of cheese.

COORDINATE GEOMETRY Triangle ABC has vertices A(0, 0), B(-4, 0), and C(-2, 4).

$$\frac{4}{9} = \frac{2}{3}$$

FARMING The ratio of goats to sheep at a university research farm is 4:7. Graph = $\frac{4}{7}$ = $\frac{4}{2}$ The number of sheep at the farm is 28. What is the number of goats?

ART Edward Hopper's oil on canvas painting Nighthawks has a length of 10. 60 inches and a width of 30 inches. A print of the original has a length of 2.5 inches. What is the width of the print?

$$\frac{60}{30} = \frac{2.5}{x}$$

$$X = 1.25 inches$$

11. The ratio of the angles of the triangle is 5:7:8. Find the measures of all three angles of the triangle.

$$5x + 7x + 8x = 180$$
 45°, 63°, 72°
 $x = 9$

12. The ratio of the sides of the triangle is 7:9:12 and its perimeter is 84 inches. Find the measures of all three sides of the triangle.

$$7x + 9x + 12x = 84$$

 $28x = 84$
 $x = 3$
 $21, 27, 36$