Exercise 1: (1 point) Work out the values of **x** and **y** in the following figure:
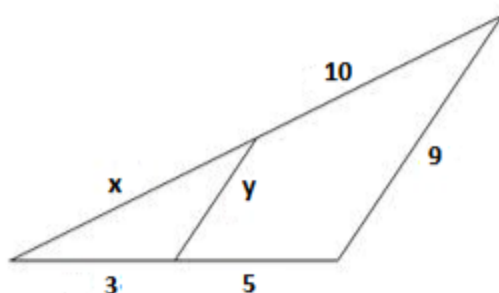

Exercise 2: (1 point) Find the area of the shadowed region between the circle and the square inscribed within if the side of the square has a length of 17 cm
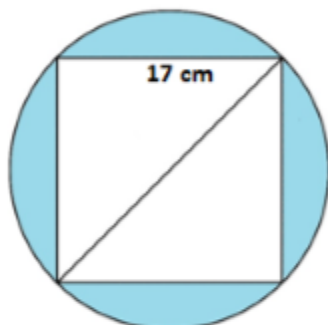
Exercise 3: (1 point) Find the area of a regular decagon if the radius has a length of 17 cm and the apothem measures 15 cm

Exercise 4: (1 point) Find the area of a right-angled trapezium if the bases measure 12 cm and 20 cm and the slanted side has a length of 15 cm

Exercise 5: (1 point) Work out the height of the big dragon
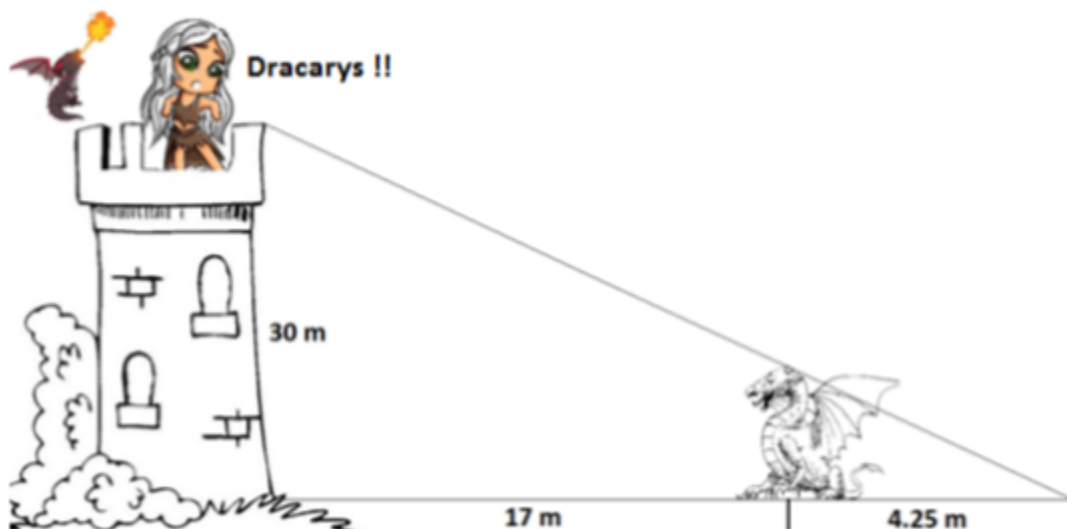
Exercise 6: (4 points) Solve and classify the following simultaneous equations using the indicated method:

a) $\left.\begin{array}{l} x-3y=11 \\ 5x+4y=17 \end{array}\right\}$ Substitution

b) $\left.\begin{array}{l} x+y=6 \\ 3x+y=8 \end{array}\right\}$ Graphically

c) $\left.\begin{array}{l} 3x-2y=-17 \\ 2x+5y=\ 33 \end{array}\right\}$ Elimination

d) $\left.\begin{array}{l} 9x+3y=15 \\ 12x+4y=20 \end{array}\right\}$

e) $\left.\begin{array}{l} x-5y=1 \\ 2x-10y=3 \end{array}\right\}$

Exercise 7: (1 point) Today is very very very very very hot, so we are going to the ice cream parlor to try and refresh ourselves. If we ask for three chocolate milkshakes and two iced lemon drinks, we have to pay a total of 14.5€, but If we ask for four chocolate milkshakes and one iced lemon drink, we have to pay 13.5€. What's the price of each drink?