

Entrance Exam 2019-2020

Mathematics

Duration: 2 hours

**N.B.** – Calculators are NOT allowed.

- Write your answers on this questions sheet.

1) Write each number in expanded form (1½ pts.).


a. 385 -----

b. 43 030 730-----

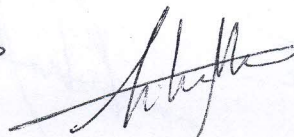
c. 82.08 -----


2) Find the missing digits (3½ pts.):

$\begin{array}{r} 58\Box \\ + 6\Box5 \\ \hline 1\Box14 \end{array}$	$\begin{array}{r} 3\Box4\Box5 \\ - 17\Box1\Box \\ \hline 15348 \end{array}$
$\begin{array}{r} 37\Box\Box7 \\ \times \quad \Box\Box \\ \hline \Box96296 \\ \Box\Box\Box\Box7 \\ \hline \Box\Box\Box\Box\Box\Box \end{array}$	$\begin{array}{r} \Box\Box\Box\Box \\ \hline 528 \\ 275 \\ \hline 264 \\ 11 \end{array} \quad \begin{array}{r} 66 \\ \hline 84 \end{array}$

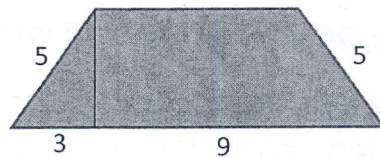
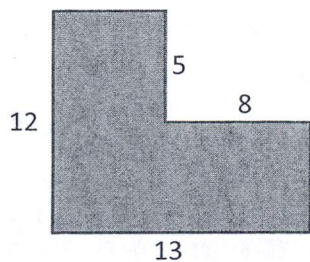
صباح الفريخ  


هورف رزق الله  


هبة النقاش 1  


ايك قازان  
الاميرة  


4) Find the perimeter and the area of the following shapes (4 pts.)




---

---

---

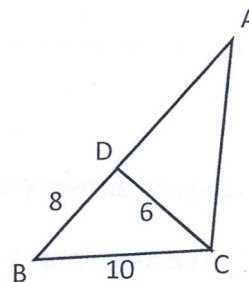
---

---

---

5) In the adjacent figure, points A, D and B are collinear.

Given  $BD = 8$  units,  $DC = 6$  units and  $BC = 10$  units. (2 pts.)



a. Show that the triangle DBC is right.

---

---

---

b. If the area of the triangle ABC is 60 square units, find DA.

---

---

---

---

صيام الفريحي

هو زوف رزق الله

3 هبة القاش

ايك قازان  
الكسك

