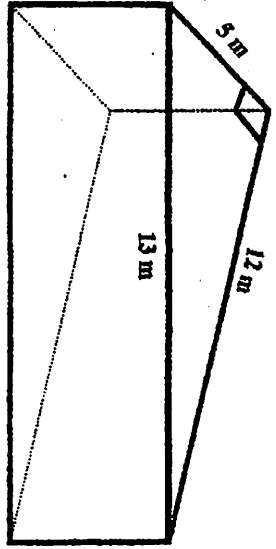
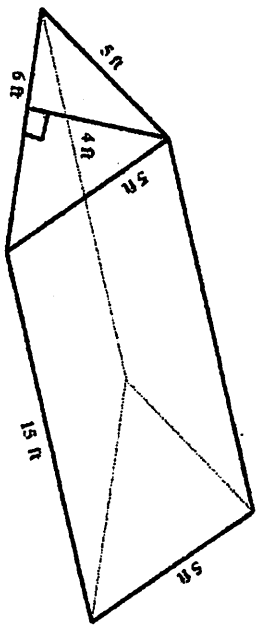


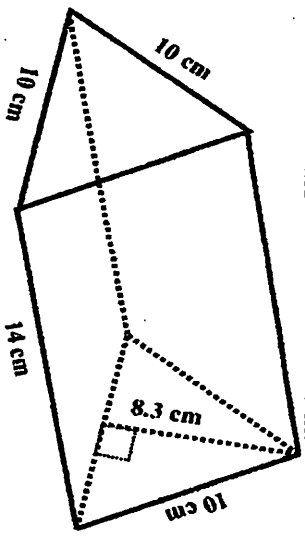
5. SA =



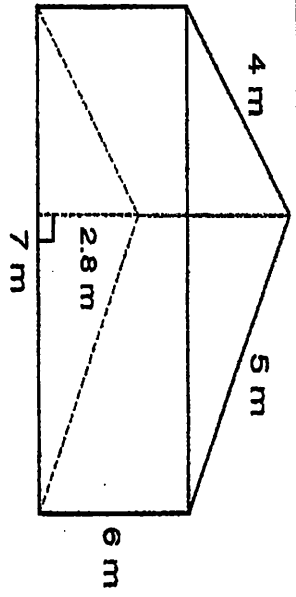
6. SA =



7. SA =



8. SA =



SURFACE AREA OF TRIANGULAR PRISMS

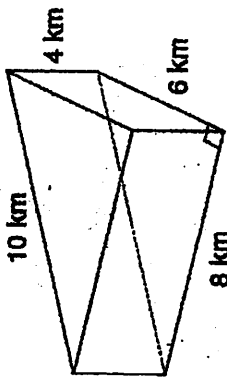
Rectangle $A = bh$ Triangle $A = \frac{1}{2}bh$

NAME _____

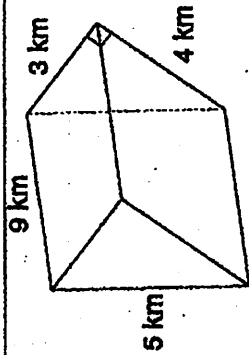
Date _____ Period _____

- Fold a sheet of notebook paper to make 4 boxes on each side. Show work for all problems.

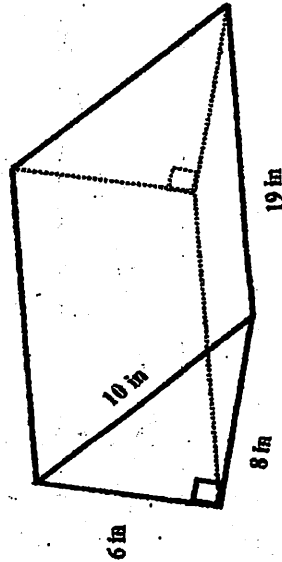
1. SA =



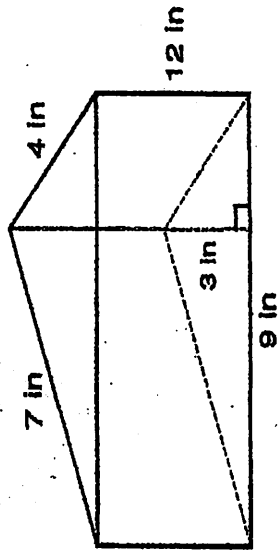
2. SA =



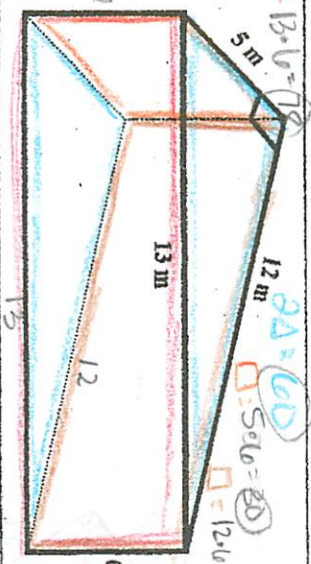
3. SA =



4. SA =

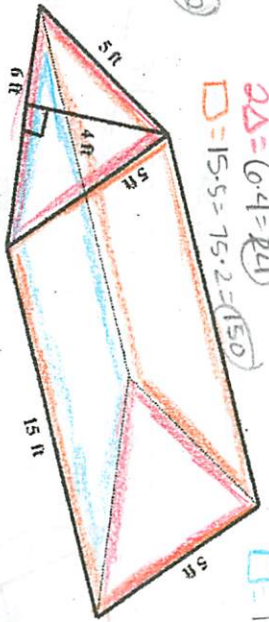


5. SA = 240 m²



$\square = 13 \cdot 5 = 65$
 $\square = 12 \cdot 5 = 60$
 $\square = 13 \cdot 12 = 156$
 $\square = 5 \cdot 13 = 65$
 $\square = 5 \cdot 12 = 60$
 $\square = 12 \cdot 5 = 60$

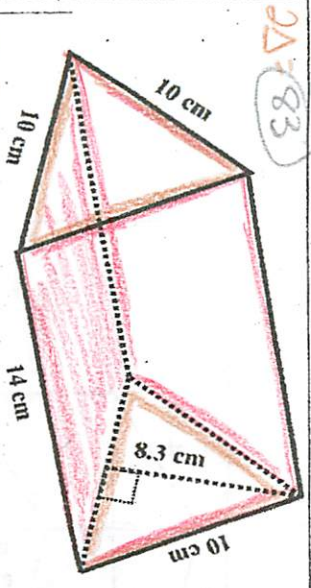
6. SA = 264 ft²



$\square = 15 \cdot 5 = 75$
 $\square = 15 \cdot 6 = 90$
 $\square = 6 \cdot 5 = 30$

$\square = 15 \cdot 6 = 90$

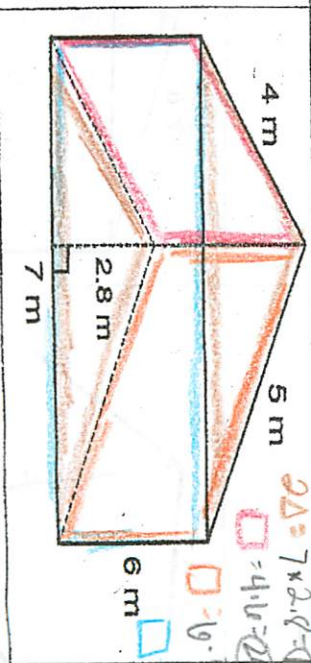
7. SA = 508 cm²



$\square = 14 \cdot 10 = 140$
 $\square = 140 \cdot 3 = 420$

$\triangle = 83$

8. SA = 115.0 m²



$\square = 7 \cdot 2.8 = 19.6$
 $\square = 4 \cdot 6 = 24$
 $\square = 6 \cdot 7 = 42$

$\triangle = 7 \cdot 2.8 = 19.6$

SURFACE AREA OF TRIANGULAR PRISMS

Rectangle $A = bh$ Triangle $A = \frac{1}{2}bh$

- Fold a sheet of notebook paper to make 4 boxes on each side. Show work for all problems.

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<p>2. SA = 120 km^2</p> <p> $\Delta = \frac{1}{2}(3)(4) = 6$ $2 \cdot 6 = 12$ $3 \cdot 9 = 27$ $4 \cdot 9 = 36$ $5 \cdot 9 = 45$ $27 + 36 + 45 + 12 = 120$ </p>	<p>1. SA = 141 km^2</p> <p> $\Delta = \frac{1}{2}(4)(6) = 12$ $2 \cdot 12 = 24$ $4 \cdot 10 = 40$ $6 \cdot 10 = 60$ $8 \cdot 10 = 80$ $40 + 60 + 80 + 24 = 204$ </p>
<p>4. SA = 207 in^2</p> <p> $\Delta = \frac{1}{2}(4)(7) = 14$ $2 \cdot 14 = 28$ $4 \cdot 12 = 48$ $7 \cdot 12 = 84$ $9 \cdot 12 = 108$ $48 + 84 + 108 + 28 = 268$ </p>	<p>3. SA = 504 in^2</p> <p> $\Delta = \frac{1}{2}(6)(10) = 30$ $2 \cdot 30 = 60$ $6 \cdot 19 = 114$ $10 \cdot 19 = 190$ $19 \cdot 19 = 361$ $114 + 190 + 361 + 60 = 725$ </p>
<p> $\Delta = \frac{1}{2}(4)(7) = 14$ $2 \cdot 14 = 28$ $4 \cdot 12 = 48$ $7 \cdot 12 = 84$ $9 \cdot 12 = 108$ $48 + 84 + 108 + 28 = 268$ </p>	<p> $\Delta = \frac{1}{2}(8)(10) = 40$ $2 \cdot 40 = 80$ $8 \cdot 19 = 152$ $10 \cdot 19 = 190$ $19 \cdot 19 = 361$ $152 + 190 + 361 + 80 = 783$ </p>