

DO NOW

Solve the following:

1) $-4(m + 12) = 36$

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Solve the following:

2) $\frac{3}{5}(x + 2) = 12$

3.4

Using Equations to Solve Problems

- 1) **Burt's Burger Barn sold 495 hamburgers today. The number sold with cheese was half the number sold without cheese. How many of each kind were sold?**

2) The width of a rectangle is 15 cm less than the length. The perimeter is 98 cm. Find the rectangle's dimensions.

3) In any triangle, the sum of the measures of the angles is 180° . In $\triangle ABC$, angle A is 3 times as large as angle B and also 16° larger than angle C. Find the measure of each angle.

4) Chandra has twice as much money as Nora. Nora has \$6 less than Lian. Together they have \$54. How much money does each have?