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6. Which of the following are correct calculations for difference quotient of: b(g) = 8 \ g + 7 b(g) = 8 \ g + 7 b(g+h) = 8 \ (g+h) + 7 = 8 \ g + 8 \ h + 7
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\begin{split} \frac{b\,(g+h)-b\,(g)}{h} &= \frac{(8\,g+8\,h+7)-(8\,(g+1)+7)}{h} \\ &= \frac{8\,h}{h} \\ &= \frac{h\,(8)}{h} \\ &= 8 \end{split} b\,(g) &= 8\,g\,+\,7 \\ b\,(g+h) &= 8\,\,(g\,+\,h)\,+\,7 \\ &= 8\,g\,+\,8\,h\,+\,15 \\ \frac{b\,(g+h)-b\,(g)}{h} &= \frac{(8\,g+8\,h+15)-(8\,g+7)}{h} \end{split}
```

$$=8$$

$$b(g) = 8 g + 7$$

$$b(g+h) = 8 (g+h) + 7$$

$$= 8 g + 8 h + 7$$

$$\frac{b(g+h) - b(g)}{h} = \frac{(8 g+8 h+7) - (8 g+7)}{h}$$

$$= \frac{8 h}{h}$$

$$= \frac{h(8)}{h}$$

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\begin{array}{c} b \ (g) = 8 \ g + 7 \\ b \ (g+h) = 8 \ (g+h) + 7 \\ = 8 \ g + 8 \ h - 1 \\ \frac{b \ (g+h) - b \ (g)}{h} = \frac{(8 \ g + 8 \ h + 23) - (8 \ g + 7)}{h} \\ = \frac{8 \ h}{h} \\ = \frac{h \ (8)}{h} \\ = 8 \end{array}
```

Solution

 $=\frac{8 \text{ h}}{\text{h}}$

 $=\frac{h(8)}{}$

=8