# tf.truncatemod

```
truncatemod(
    x,
    y,
    name=None
)
```

Defined in `tensorflow/python/ops/gen_math_ops.py`.

See the guide: Math > Arithmetic Operators

Returns element-wise remainder of division. This emulates C semantics in that

the result here is consistent with a truncating divide. E.g. `truncate(x / y) * y + truncate_mod(x, y) = x`.

*NOTE*: `TruncateMod` supports broadcasting. More about broadcasting here

## Args:

- `x`: A `Tensor`. Must be one of the following types: `int32`, `int64`, `float32`, `float64`.
- `y`: A `Tensor`. Must have the same type as `x`.
- `name`: A name for the operation (optional).

## Returns:

A `Tensor`. Has the same type as `x`.

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